

Title (en)  
Teeming apparatus and method.

Title (de)  
Vorrichtung und Verfahren zum Ausgiessen.

Title (fr)  
Appareil et procédé de versement.

Publication  
**EP 0166147 A1 19860102 (EN)**

Application  
**EP 85105772 A 19850510**

Priority  
GB 8412101 A 19840511

Abstract (en)  
In a metal teeming sliding gate valve (10) for controlling the flow of molten metal from a vessel (12) the valve has a stationary valve plate (16a) with a teeming orifice (31), and a movable gate (16c) with at least one teeming orifice (36, 37) which is movable into registry with the teeming orifice (31) of the stationary valve plate (16a). The valve further includes means for injecting gas into the teeming orifice (36, 37) of the movable gate (16c). This means for injecting gas is arranged stationarily and spaced from the teeming orifice (31) of the stationary plate (16a). Selectively, the teeming orifice (36, 37) may be moved into registry with the gas injecting means for an axial injection of gas into the teeming orifice (36, 37) in the gate (16c) when this orifice is not in registry with the teeming orifice (31) of the stationary plate (16a) the arrangement prevents gas striking and damaging the refractory bordering the gate orifice (36, 37). Gas may be fed into the gate orifice (36, 37) for diverse purposes including preheating, lancing and leakage control.

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CPC (source: EP US)  
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Citation (search report)  
• [AD] US 3825241 A 19740723 - SHAPLAND J, et al  
• [A] GB 2028478 A 19800305 - STOPINC AG  
• [AD] US 3918613 A 19751111 - SHAPIAND JR EARL P

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**US 4641768 A 19870210**; AT E32439 T1 19880215; CA 1244239 A 19881108; DE 3561583 D1 19880317; EP 0166147 A1 19860102; EP 0166147 B1 19880210; GB 2158559 A 19851113; GB 2158559 B 19870624; GB 8412101 D0 19840620; GB 8511300 D0 19850612; JP H0622748 B2 19940330; JP S60244464 A 19851204

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**US 71908985 A 19850402**; AT 85105772 T 19850510; CA 480312 A 19850429; DE 3561583 T 19850510; EP 85105772 A 19850510; GB 8412101 A 19840511; GB 8511300 A 19850503; JP 9942785 A 19850510